

September 08, 2010 12:56:38PM

Arthur Powers

Attn:

Client: Exxonmobil Everett Terminal Work Order: NTH2294

52 Beacham Street Project Name: Everett Terminal

Everett, MA 02149 Project Nbr: NPDES Permt MA0000833

P/O Nbr:

Date Received: 08/25/10

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Outfall 001A-Diluent	NTH2294-01	08/24/10 12:00
Outfall 001A-Diluent	NTH2294-02	08/24/10 12:00
Outfall 001A-Diluent	NTH2294-03	08/24/10 12:00
Outfall 001A-Diluent	NTH2294-04	08/24/10 12:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

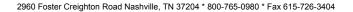
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This report has been electronically signed.

Report Approved By:

Gail A Lage

Program Manager - National Accounts





52 Beacham Street

Everett, MA 02149 Arthur Powers

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Work Order:

NTH2294

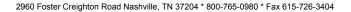
Project Name: Project Number: Everett Terminal NPDES Permt MA0000833

Received:

08/25/10 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NTH2294-01 (Outfall 001	A-Diluent - V	Water) Sam	pled: 08/24	/10 12:00				
General Chemistry Parameters								
Total Suspended Solids	3.70		mg/L	1.00	1	08/26/10 20:30	SM2540 D	10H4657
Sample ID: NTH2294-02 (Outfall 001 General Chemistry Parameters	A-Diluent - V	Water) Sam	pled: 08/24	/10 12:00				
Total Organic Carbon	1.63		mg/L	1.00	1	08/27/10 13:15	SM5310 B	10H4703
Sample ID: NTH2294-03 (Outfall 001	A-Diluent - V	Water) Sam	pled: 08/24	/10 12:00				
General Chemistry Parameters Ammonia as N	0.315		mg/L	0.100	1	09/07/10 16:02	EPA 350.1M	10I0317
Sample ID: NTH2294-04 (Outfall 001 General Chemistry Parameters	A-Diluent - V	Water) Sam	pled: 08/24	/10 12:00				
Residual Chlorine	ND	HTI	mg/L	0.100	1	09/07/10 11:18	SM 4500Cl G	10I0929





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PROJECT QUALITY CONTROL DATA Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
10H4657-BLK1 Total Suspended Solids	<0.500		mg/L	10H4657	10H4657-BLK1	08/26/10 20:30
10H4703-BLK1 Total Organic Carbon	<0.500		mg/L	10H4703	10H4703-BLK1	08/27/10 13:15
1010317-BLK1 Ammonia as N	<0.0640		mg/L	10I0317	10I0317-BLK1	09/07/10 15:53
1010929-BLK1 Residual Chlorine	<0.00900		mg/L	1010929	10I0929-BLK1	09/07/10 11:18



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PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
10H4657-DUP1				_		_				00/26/10 20 20
Total Suspended Solids	ND	0.700		mg/L		5	10H4657	NTH2158-01		08/26/10 20:30
10H4657-DUP2										
Total Suspended Solids	24.8	24.8		mg/L	0	5	10H4657	NTH2401-01		08/26/10 20:30
10H4703-DUP1										
Total Organic Carbon	62.2	63.3		mg/L	2	20	10H4703	NTH1862-03RE1		08/27/10 13:15
1010317-DUP1 Ammonia as N	0.440	0.361		/T	20	41	10I0317	NTH2329-08		09/07/10 16:05
Ammonia as N	0.440	0.301		mg/L	20	41	1010317	N1H2329-08		09/07/10 10:03
10I0929-DUP1										
Residual Chlorine	ND	ND	HTI	mg/L		2	10I0929	NTI0168-01		09/07/10 11:18



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PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters 10H4657-BS1 Total Suspended Solids	100	95.0		mg/L	95%	90 - 110	10Н4657	08/26/10 20:30
10H4703-BS1 Total Organic Carbon	10.0	10.6		mg/L	106%	90 - 110	10H4703	08/27/10 13:15
1010317-BS1 Ammonia as N	5.00	5.08		mg/L	102%	90 - 110	10I0317	09/07/10 15:54
1010929-BS1 Residual Chlorine	0.200	0.209		mg/L	105%	90 - 110	1010929	09/07/10 11:18



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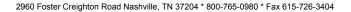
Project Name: Everett Terminal

Project Number: NPDES Permt MA0000833

Received: 08/25/10 08:00

PROJECT QUALITY CONTROL DATA LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters 10H4657-BSD1 Total Suspended Solids		95.0		mg/L	100	95%	90 - 110	0	20	10H4657		08/26/10 20:30
10H4703-BSD1 Total Organic Carbon		10.5		mg/L	10.0	105%	90 - 110	1	20	10Н4703		08/27/10 13:15



NTH2294



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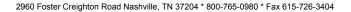
52 Beacham Street Project Name: **Everett Terminal** Everett, MA 02149 NPDES Permt MA0000833 Project Number:

08/25/10 08:00 Received:

Work Order:

PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
General Chemistry Parameters 10H4703-MS1 Total Organic Carbon	1.63	22.5		mg/L	20.0	104%	74 - 134	10H4703	NTH2294-02	08/27/10 13:15
1010317-MS1 Ammonia as N	0.315	5.53		mg/L	5.00	104%	90 - 110	10I0317	NTH2294-03	09/07/10 16:02





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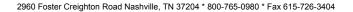
Project Name: Everett Terminal

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PROJECT QUALITY CONTROL DATA Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters 10H4703-MSD1 Total Organic Carbon	1.63	20.0		mg/L	20.0	92%	74 - 134	12	20	10Н4703	NTH2294-02	08/27/10 13:15
1010317-MSD1 Ammonia as N	0.315	5.55		mg/L	5.00	105%	90 - 110	0.3	41	10I0317	NTH2294-03	09/07/10 16:03



NPDES Permt MA0000833



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DATA QUALIFIERS AND DEFINITIONS

HTI The holding time for this test is immediate. The laboratory measurement, therefore, may not be suitable for compliance purposes.

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

350.1 M - M = Ammonia-Nitrogen method modified for midi-distillation with Lachat Procedure 10-107-06-1-A.





COOLER RECE

NTH2294

Cooler Received/Opened On 8/25/2010 @ 08:00	
1. Tracking #(last 4 digits, FedEx)	
Courier: FedEx IR Gun ID 94660220	
2. Temperature of rep. sample or temp blank when opened:	
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen	YES NO
4. Were custody seals on outside of cooler?	YES(NO.)NA
If yes, how many and where:	TEONO. ANA
5. Were the seals intact, signed, and dated correctly?	YESNO. (NA
6. Were custody papers inside cooler?	ESNONA
I certify that I opened the cooler and answered questions 1-6 (intial)	(A)
7. Were custody seals on containers: YES (NO) and Intact	YESNO.(NA)
Were these signed and dated correctly?	YESNO.(.NA)
8. Packing mat'l used Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Pape	r Other None
9. Cooling process: Ce-pack Ice (direct contact) Dry ice	
10. Did all containers arrive in good condition (unbroken)?	YES. NO. NA
11. Were all container labels complete (#, date, signed, pres., etc)?	(YES) (NO) NA
12. Did all container labels and tags agree with custody papers?	YESNONA
13a. Were VOA vials received?	YES NO NA
b. Was there any observable headspace present in any VOA vial?	YESNO(NA)
14. Was there a Trip Blank in this cooler? YESNO. NA If multiple coolers, sequence	_
I certify that I unloaded the cooler and answered questions 7-14 (intial)	(W)
15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level?	YES NONA
b. Did the bottle labels indicate that the correct preservatives were used	YES .NONA
16. Was residual chlorine present?	YES (NO)NA
I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial)	_ (w)
17. Were custody papers properly filled out (ink, signed, etc)?	VES NO NA
18. Did you sign the custody papers in the appropriate place?	ESNONA
19. Were correct containers used for the analysis requested?	(FES).NONA
20. Was sufficient amount of sample sent in each container?	MES)NONA
I certify that I entered this project into LIMS and answered questions 17-20 (intial)	(m)
I certify that I attached a label with the unique LIMS number to each container (intial)	w
21. Were there Non-Conformance issues at login? YES. NO Was a PIPE generated? YES. NO Was a PIPE	0).#_ taleps off of

NTH2294

09/09/10 23:59

TestAmerica 2960 Foster Creighton

Consultant Name: ExxonMobil Everett Terminal Address: 52 Beacham Street City/State/Zip: Everett, MA 02149

leader in environmental testing Nashville, TN 37204

Toll Free: 800-765-0980 Phone: 615-726-0177

Fax: 615-726-3404

TA Account #:

Invoice To: [ExxonMobil PM unless otherwise indicated]

Report To: arthur.f.powers@exxonmobil.com

EXonMobil

Fax No.: 617-381-2954

Consultant Telephone Number: 617-381-2802

Sampler Name: (Print) Sampler Signature:

ExxonMobil Project Mgr. Arthur F. Powers

Consultant Project Mgr. Triumvirate - Visoth Sreng (Call (617) 799 - 4357 for sample related questions)

Regulatory District (CA) PROJECT #: NPDES Permit MA0000833
Facility ID #
Site Address SAME
City, State, Zip

Comments/Special Instructions: Laboratory case narative to NELAC Institute Outfall 001A - Diluent Outfall 001A - Diluent Outfall 001A - Diluent Outfall 001A - Diluent Sample ID or Field ID (230-2176 o//hets 25 Apt This 15 Date Sampled Time Sampled Notural $\widehat{\mathcal{Z}}_{\mathbb{I}}$ No. of Containers Shipped Grab Received by Testamerica: J. J. MININ Composite saltwater Field Filtered Methanol Sodium Bisulfate HCI (Blue Label) reservative NaOH (Orange Label) H₂SO₄ Plastic (Yellow Label) H₂SO₄ Glass(Yellow Label) albust at salmy HNO₃ (Red Label) None (Black Labe Groundwater B 8.25.10 × Wastewater K Drinking Water Sludge Soil Other (specify): OBS TSS Time Time by SM 2540 D TOC - Method 5310B by phone or fax that a rush sample will be submitted.

TA Project Manager:

Date: consultant to notify the TestAmerica Project Manager * It will be the responsibility of ExxonMobil or its QC Deliverables (please circle one) Laboratory Comments: mmonia 350.1 Rev. 2.0 (1993) VOCs Free of Headspace? Sample Containers Intact? Temperature Upon Receipt TRC by EPA 330.5 4,4 250 mL Plastic 500 ml Plastic 125 ml Plastic 1 L Plastic 콩문 < ≺ 277 RUSH TAT (Pre-Schedule) TAT request (in Bus. Days) Other zz S 0 3 8 Fax Results (yes or no) Due Date of Report